

Title (en)

Spring assembly

Title (de)

Federanordnung

Title (fr)

Ensemble de ressort

Publication

**EP 2607632 A2 20130626 (EN)**

Application

**EP 12196488 A 20121211**

Priority

US 201113331343 A 20111220

Abstract (en)

A spring assembly (10) having a bushing (30), a bolt (36) having a head (38) and a shank (40) and where the shank (40) may be received within the bushing (30). The spring assembly (10) also includes a first spring bearing surface (44), a second spring bearing surface (46), and a spring (56) located between the first and second spring bearing surfaces (44, 46) and bearing against each of the first and second spring bearing surfaces (44, 46).

IPC 8 full level

**F01D 25/28** (2006.01)

CPC (source: EP US)

**F01D 25/164** (2013.01 - EP US); **F01D 25/28** (2013.01 - EP US); **F02C 7/10** (2013.01 - EP US); **F02C 7/20** (2013.01 - EP US); **F02C 7/32** (2013.01 - EP US)

Cited by

CN110848301A; EP3091215A1; CN106121828A; US10119424B2; US11788491B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2607632 A2 20130626**; CA 2798746 A1 20130620; JP 2013130292 A 20130704; US 2013154169 A1 20130620

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**EP 12196488 A 20121211**; CA 2798746 A 20121213; JP 2012271851 A 20121213; US 201113331343 A 20111220